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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/825,172	04/16/2004	Terrence Martineau	ALC 3130	8264

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EXAMINER
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ART UNIT	PAPER NUMBER
2173	

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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on <u>04 September 2008</u>.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) <u>1,3-6,8-16 and 18-20</u> is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) <u>1, 3-6, 8-16, 18-20</u> is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All   b)☐ Some * c)☐ None of:

      1.☐ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____ .

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☒ Notice of References Cited (PTO-892)

2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3)☐ Information Disclosure Statement(s) (PTO/SB/08)
    Paper No(s)/Mail Date _____ .

4)☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____ .

5)☐ Notice of Informal Patent Application

6)☐ Other: _____ .

DETAILED ACTION

Remarks

1.   Claims 1, 3-6, 8-16, and 18-20 have been examined and rejected. This Office

action is responsive to the amendment filed on 9/4/08, which has been entered in the

above identified application.

Claim Rejections - 35 USC § 102

2.   The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that

form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3.   Claims 1, 3-6, 8-16, and 18-20 are rejected under 35 U.S.C. 102(b) as being

anticipated by Weinberg et al (U.S. Patent No. 6,237,006 B1).

Claims 1, 3-5 (Method)

3-1.   Regarding claim 1, Weinberg teaches the claim comprising collecting data for all

objects to be displayed on said map in response to a request transmitted over said GUI,

said request specifying an area of interest in the network, by disclosing using web

scanning routines to gather information about content objects and links of a Web site via

a network connection *[column 2, lines 10-23]*. Users enter a home page for populating a

site graph *[column 21, lines 17-39]*.

Weinberg teaches bundling connections between a network device and groups of

network devices into a plurality of outside links, wherein said map corresponds to said

area of interest and each outside link represents a group of network devices outside

said map, by disclosing using a parent-child node relationship to group the nodes

[column 2, lines 32-48]. Node objects may be grouped together *[column 20, lines 24-*

30]. As shown in *[figure 24]*, the node CNN-SHOWBIZ may represent an inside node

while nodes 91A-E represent outside nodes. The nodes represent content objects of

Web sites which may be stored on Web servers on multiple computers that are

geographically distributed *[column 19, lines 39-49]*. Thus, the nodes are associated with

network devices.

Weinberg teaches grouping the plurality of outside links for said network device

into a multiple link connector (MLC) object and associating said MLC object with an

interactive connector icon, by disclosing grouping nodes together *[column 20, lines 24-*

30].

Weinberg teaches displaying said map showing said interactive connector icon

attached to said network device, by disclosing displaying nodes on the site graph *[figure*

24].

Weinberg teaches selecting said interactive connector icon for displaying a pop-

up window showing a multiple link connector (MLC) list where each outside link is

associated with a respective group object, by disclosing displaying a list view with each

line of text representing one node of the site map and displaying various information

about the node such as the URL *[column 17, lines 20-37]*. When a node is selected in

the site map, the corresponding line in the list view is automatically highlighted *[column

17, lines 52-55]*.

3-2.   Regarding claim 3, Weinberg teaches the claim with respect to claim 1, wherein

said multiple link connector list displays in each row an interactive outside link widget

associated with a respective interactive group identification widget, by disclosing

displaying a list view with each line of text representing one node of the site map

[column 17, lines 20-37].

Weinberg teaches each interactive outside link widget is associated with a

respective outside link of said plurality of outside links, by disclosing that each line of

text representing one node of the site map *[column 17, lines 26-28]*.

Weinberg teaches each interactive group identification widget is associated with

a respective group of network devices, by disclosing that nodes represent content

objects of Web sites which may be stored on Web servers on multiple computers that

are geographically distributed *[column 19, lines 39-49]*. Thus, the nodes are associated

with network devices.

3-3.   Regarding claim 4, Weinberg teaches the claim with respect to claim 3, further

comprising selecting said interactive outside link widget on said multiple link connector

list to display a connections list L(n) identifying all connections bundled within said

outside link object, by disclosing that when a user selects a line in the list view, the

corresponding node will be highlighted in the site map *[column 17, lines 57-59]*.

3-4.   Regarding claim 5, Weinberg teaches the claim with respect to claim 3, further

comprising selecting said respective interactive group identification widget on said

multiple link connector list to display a sub-map of said network showing all network

devices in said group, by disclosing that the user can select a node and display all

outgoing links of the node *[column 18, lines 20-32]*.

Claims 6, 8-12 (System)

3-5.   Regarding claim 6, Weinberg teaches the claim comprising a map data collector

that collects map data for a network device to be displayed on a map of interest, by

disclosing using web scanning routines to gather information about content objects and

links of a Web site via a network connection *[column 2, lines 10-23]*. Users enter a

home page for populating a site graph *[column 21, lines 17-39]*.

Weinberg teaches a multiple link connector (MLC) generator that bundles

connections between said network device and groups of outside network devices

external to said map into a plurality of outside links, and maintains a connections list

L(n) for each outside link, by disclosing using a parent-child node relationship to group

the nodes *[column 2, lines 32-48]*. Node objects may be grouped together *[column 20,

lines 24-30]*. As shown in *[figure 24]*, the node CNN-SHOWBIZ may represent an inside

node while nodes 91A-E represent outside nodes. The nodes represent content objects

of Web sites which may be stored on Web servers on multiple computers that are

geographically distributed *[column 19, lines 39-49]*. Thus, the nodes are associated with

network devices. A list of nodes is maintained as shown in *[figure 4]*.

Weinberg teaches a list organizer that groups said plurality of outside links for

said network device into a multiple link connector (MLC) and associates said MLC with

an interactive connector icon, by disclosing grouping nodes together *[column 20, lines

24-30]*.

Weinberg teaches wherein said interactive connector icon is displayed on said

map attached to said network device, by disclosing displaying nodes on the site graph

[figure 24].

Weinberg teaches an interface that displays a multiple link connector (MLC) list

in response to a selection of said interactive connector icon, said MLC list showing an

association between each outside link and a respective group of outside network

devices, by disclosing displaying a list view with each line of text representing one node

of the site map and displaying various information about the node such as the URL

[column 17, lines 20-37]. When a node is selected in the site map, the corresponding

line in the list view is automatically highlighted *[column 17, lines 52-55]*.

3-6.   Regarding claim 8, Weinberg teaches the claim with respect to claim 6, wherein

each said outside link is displayed using an interactive outside link widget, by disclosing

displaying nodes such as nodes 91A-E representing outside nodes on the site map

[figure 24].

3-7.   Regarding claim 9, Weinberg teaches the claim with respect to claim 6, wherein

each said group of outside network devices associated with said respective outside link

is displayed using an interactive group identification widget, by disclosing that nodes

represent content objects of Web sites which may be stored on Web servers on multiple

computers that are geographically distributed *[column 19, lines 39-49]*. Thus, the nodes

are associated with network devices.

3-8.   Regarding claim 10, Weinberg teaches the claim with respect to claim 8, wherein

said list organizer displays said MLC list in response to selection of said interactive

outside link widget, by disclosing that when a node is selected in the site map, the

corresponding line in the list view is automatically highlighted *[column 17, lines 52-55]*.

3-9.   Regarding claim 11, Weinberg teaches the claim with respect to claim 9, wherein

said list organizer displays a sub-map of said group in response to selection of said

interactive group identification widget, by disclosing that the user can select a node a

display all outgoing links of the node *[column 18, lines 20-32]*.

3-10.   Regarding claim 12, Weinberg teaches the claim with respect to claim 6, wherein

said interactive connector icon is not generated for a single connection, by disclosing

grouping using nodes object 118 when there are multiple connections 115 *[column 20,*

lines 24-30].

Claims 13-15

3-11. Regarding claim 13, Weinberg teaches the claim comprising whenever a network device is connected to groups of outside network devices external to said map, bundling said groups into a plurality of outside links, by disclosing using web scanning routines to gather information about content objects and links of a Web site via a network connection *[column 2, lines 10-23]*. Users enter a home page for populating a site graph *[column 21, lines 17-39]*. A parent-child node relationship is used to group the nodes *[column 2, lines 32-48]*. Node objects may be grouped together *[column 20, lines 24-30]*. As shown in *[figure 24]*, the node CNN-SHOWBIZ may represent an inside node while nodes 91A-E represent outside nodes. The nodes represent content objects of Web sites which may be stored on Web servers on multiple computers that are geographically distributed *[column 19, lines 39-49]*. Thus, the nodes are associated with network devices.

Weinberg teaches displaying an interactive multiple link connector icon, the multiple link connector icon grouping the plurality of outside links into a single icon, by disclosing grouping nodes together *[column 20, lines 24-30]* and displaying nodes on the site graph *[figure 24]*.

Weinberg teaches selecting said multiple link connector icon on said map to obtain a multiple link connector list that displays an interactive outside link widget associated with an interactive group identification widget for each group of outside network devices connected to said network device, by disclosing displaying a list view

with each line of text representing one node of the site map and displaying various information about the node such as the URL *[column 17, lines 20-37]*. When a node is selected in the site map, the corresponding line in the list view is automatically highlighted *[column 17, lines 52-55]*.

3-12. Regarding claim 14, Weinberg teaches the claim with respect to claim 13, further comprising selecting said interactive outside link widget for said outside link to obtain a list L(n) with all connections between said network device and said group, by disclosing that when a user selects a line in the list view, the corresponding node will be highlighted in the site map *[column 17, lines 57-59]*.

3-13. Regarding claim 15, Weinberg teaches the claim with respect to claim 13, further comprising selecting said interactive group identification widget on said multiple link connector list to display a sub-map of all network devices in said group, by disclosing that the user can select a node and display all outgoing links of the node *[column 18, lines 20-32]*.

Claims 16, 18-20 (Computer Readable Media)

3-14. Regarding claim 16, Weinberg teaches the claim comprising a network device icon, illustrating a network device in the context of said map, by disclosing using web scanning routines to gather information about content objects and links of a Web site via a network connection *[column 2, lines 10-23]*. Users enter a home page for populating a

site graph with nodes *[column 21, lines 17-39]*. The nodes represent content objects of

Web sites which may be stored on Web servers on multiple computers that are

geographically distributed *[column 19, lines 39-49]*. Thus, the nodes may represent

network devices storing the content objects.

Weinberg teaches an interactive multiple link connector icon associated to said

network device, representing all outside links between said network device and all

groups of outside network devices connected to the network device, by disclosing using

a parent-child node relationship to group the nodes *[column 2, lines 32-48]*. Node

objects may be grouped together *[column 20, lines 24-30]*. As shown in *[figure 24]*, the

node CNN-SHOWBIZ may represent an inside node while nodes 91A-E represent

outside nodes.

Weinberg teaches wherein said multiple link connector icon comprises a button

for enabling display of a multiple link connector list and a pop-up window displaying said

multiple link connector list, said multiple link connector list showing an association

between each said outside link and a respective group of said outside network devices,

by disclosing a list view with each line of text representing one node of the site map and

displaying various information about the node such as the URL *[column 17, lines 20-37]*.

When a node is selected in the site map, the corresponding line in the list view is

automatically highlighted *[column 17, lines 52-55]*.

3-15. Regarding claim 18, Weinberg teaches the claim with respect to claim 16,

wherein each row of said multiple link connector list comprises an outside link widget

associated with a group identification widget, by disclosing displaying a list view with

each line of text representing one node of the site map *[column 17, lines 20-37]*.

3-16.   Regarding claim 19, Weinberg teaches the claim with respect to claim 18, further

comprising a list with all connections between said network device and said group, the

list displayed on said map upon selection of said outside link widget, by disclosing that

when a user selects a line in the list view, the corresponding node will be highlighted in

the site map *[column 17, lines 57-59]*.

3-17.   Regarding claim 20, Weinberg teaches the claim with respect to claim 18, further

comprising a sub-map of said group displayed on said map upon selection of said group

identification widget, by disclosing that the user can select a node and display all

outgoing links of the node *[column 18, lines 20-32]*.

Response to Arguments

4.   The Examiner acknowledges the Applicant's amendments to claims 1, 3, 6, 9,

13, 16, and 19. Applicant's arguments with respect to claims 1, 6, 13, and 16 have been

considered but are moot in view of the new ground(s) of rejection.

Conclusion

5.   The prior art made of record on attached form PTO-892 and not relied upon is

considered pertinent to applicant's disclosure. Applicant is required under 37 C.F.R §

111(c) to consider these references fully when responding to this action. The

documents cited therein teach similar systems for a multiple link connector list.

6.   Any inquiry concerning this communication or earlier communications from the

examiner should be directed to ALVIN H. TAN whose telephone number is (571)272-

8595. The examiner can normally be reached on Mon-Fri 8:00-4:30.

        If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Dennis Chow can be reached on 571-272-7767. The fax phone number for

the organization where this application or proceeding is assigned is 571-273-8300.

        Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a

USPTO Customer Service Representative or access to the automated information

system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

AHT   /Tadesse Hailu/
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